Supplementary Figure 1 Expression profile of premeiotic and meiotic markers in testes of \textit{Hspad}^{+/+} and \textit{Hspa4}^{-/-} mice. Histological sections of 5-, 10- and 15-day-old wild-type and null-mice were immunostained with HSPH1 (A, B), GCNA1 (D, E) and HSPA4L (G, H) antibodies, respectively. The number of HSPA1- (C), GCNA1- (F) and HSPA4L- (I) positive cells per seminiferous tubule (\(n = 50\)) was counted (two mice/group). Bar graph represents mean ± SD. No significant difference is observed in the mean number of HSPH1- (C) and GCNA1-positive cells (F) per tubule between wild-type and mutant testes, while a significant reduction in the mean number of HSPA4L-positive cells is shown in \textit{Hspa4}^{-/-} testes (I). *, \(P < 0.05\). Immunofluorescent localization of SYCP3 on synaptonemal complexes of wild-type (J) and Hspa4-deficient pachytene spermatocytes (K).